



## EUROPEAN PATENT APPLICATION

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(54) **Method and apparatus of simultaneously transmitting data packets to multiple users using limited transmission power**

(57) Data packets are selected for simultaneous transmission to multiple users using a transmitter with limited transmission power by first establishing transmission power requirements for each user, receiving in a queue (20) a plurality of data packets for transmission to one or more users, and selecting one or more data packets for transmission in a composite burst with cumulative power for the selective packets not exceeding the limited transmission power. Data packets are select-

ed for sequential composite bursts until all data packets in the queue (20) have been transmitted, at which time transmission ceases until more incoming packets arrive at the queue (20). In selecting data packets for transmission, data packets which have previously been delayed in transmission can be given priority as well as priority based on quality of service subscribed by each user. Additionally a predetermined priority weight can be assigned to data packets and used for selection.

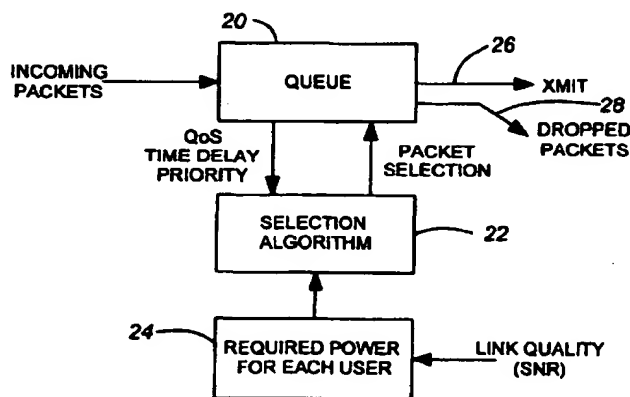


FIG. 2



European Patent  
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# EUROPEAN SEARCH REPORT

Application Number  
EP 02 29 1095

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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			H04L H04Q H04B
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
MUNICH		22 September 2003	HORN, R
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone  Y : particularly relevant if combined with another document of the same category  A : technological background  O : non-written disclosure  P : intermediate document</p> <p>T : theory or principle underlying the invention  E : earlier patent document, but published on, or after the filing date  D : document cited in the application  L : document cited for other reasons</p> <p>.....  &amp; : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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22-09-2003

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